

TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371

241082US2XPCT

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR

INTERNATIONAL APPLICATION NO.
PCT/JP01/08535INTERNATIONAL FILING DATE
28 September 2001PRIORITY DATE CLAIMED
29 March 2001

TITLE OF INVENTION

NEGATIVE RESISTANCE FIELD-EFFECT ELEMENT

APPLICANT(S) FOR DO/EO/US

OGURA Mutsuo et al.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.
4. ☒ The US has been elected by the expiration of 19 months from the priority date (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c) (2))
 - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☒ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. ☒ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
11. ☒ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☒ A copy of the International Search Report (PCT/ISA/210).

Items 13 to 20 below concern document(s) or information included:

13. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☐ A **FIRST** preliminary amendment.
16. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. ☐ A substitute specification.
18. ☐ A change of power of attorney and/or address letter.
19. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
20. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
21. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
22. ☐ Certificate of Mailing by Express Mail Label No.
23. ☒ Other items or information:

PCT/IB/304/Notice of Priority/Application Data Sheet
Drawings (3 sheets)/PTO-1449/Declaration of Takeyoshi SUGAYA

10/561530

PCT/JP01/08535

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24. The following fees are submitted:

BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5))

IAP20 Rec'd PCT/PTO 14 DEC 2005

CALCULATIONS PTO USE ONLY

- ☐ Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1060.00
- ☒ International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$900.00
- ☐ International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$750.00
- ☐ International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$720.00
- ☐ International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) \$100.00

ENTER APPROPRIATE BASIC FEE AMOUNT =

\$900.00

Surcharge of \$130.00 for furnishing the oath or declaration later than ☐ 20 ☐ 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).

\$0.00

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE
Total claims	3 - 20 =	0	x \$18.00
Independent claims	1 - 3 =	0	x \$84.00

\$0.00

\$0.00

Multiple Dependent Claims (check if applicable). ☐

\$0.00

TOTAL OF ABOVE CALCULATIONS =

\$900.00

- ☐ Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.

\$0.00

SUBTOTAL =

\$900.00

Processing fee of \$130.00 for furnishing the English translation later than ☐ 20 ☐ 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).

\$0.00

TOTAL NATIONAL FEE =

\$900.00

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable). ☐

\$0.00

TOTAL FEES ENCLOSED =

\$900.00

Amount to be:
refunded \$
charged \$

- a. ☐ A check in the amount of _____ to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. _____ in the amount of _____ to cover the above fees.
- c. ☒ The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 15-0030
- d. ☒ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

CUSTOMER NUMBER 22850

SIGNATURE

Marvin J. Spivak

NAME

24,913

REGISTRATION NUMBER

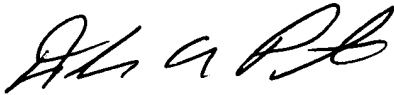
DATE

CONCLUSION

Applicant's petition under 37 CFR 1.181 is **GRANTED**.

The application will be given an international filing date of 28 September 2001 under 35 U.S.C. 363 and a date of **29 September 2003** under 35 U.S.C. 371(c)(1), (c)(2) and (c)(4).

This application is being returned to the United States Designated/Elected Office (US/DO/EO) for further processing in accordance with this decision, namely 1) the issuance of a "Notification of Acceptance of Application Under 35 U.S.C. 371 and 37 CFR 1.494 or 1.495" (Form PCT/DO/EO/903) indicating a 371 date as detailed above.



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10/561530

OBLON
SPIVAK
McCLELLAND
MAIER
&
NEUSTADT
P.C.

Docket No.: 241082US2X PCT

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

RE: Application Serial No.: 10/472,483
Applicants: Mutsuo OGURA, et al.
Filing Date: September 29, 2003
For: NEGATIVE-RESISTANCE FIELD-EFFECT DEVICE
ATTN: PCT Legal Office

ATTORNEYS AT LAW

MARVIN J. SPIVAK
(703) 413-3000
MSPIVAK@OBLON.COM

SURINDER SACHAR
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SSACHAR@OBLON.COM

RECEIVED

SIR:

Attached hereto for filing are the following papers:

- Petition Under 37 CFR 1.181 to Grant a Filing Date
- Copy of Date-Stamped Filing Receipt
- Copy of English Translation
- Copy of Declaration & Power of Attorney (4 pages)
- Copy of Application Data Sheet
- Copy of Credit Card Payment Form (\$900)
- Copy of Credit Card Billing Statement
- Copy of Declaration of Takeyoshi Sugaya
- Copy of Drawings (3 sheets)
- Copy of Information Disclosure Statement, PTO-1449
- Copy of International Search Report
- Copy of International Preliminary Examination Report
- Copy of PCT Transmittal Letter
- Copy of Notice of Priority

2 2 DEC 2005

Legal Staff
International Division

Our check in the amount of _____ is attached covering any required fees. In the event any variance exists between the amount enclosed and the Patent Office charges for filing the above-noted documents, please charge or credit the difference to our Deposit Account No. 15-0030.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.



Marvin J. Spivak

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00/561530

IAP20 Rec'd PCT/PTO 14 DEC 2005

Due Date 09-29-03

OSMM&N File No. 241082US2XPCT

By MJS/rkm/FF

Serial No. New U.S. PCT Application based on PCT/JP01/08535

In the matter of the Application of Mutsuo OGURA et al.

For NEGATIVE-RESISTANCE FIELD-EFFECT DEVICE

The following has been received in the U.S. Patent Office on the date stamped hereon:

- 13 pgs. Specification 3 Claims (English Translation) pgs. Sequence Listing
- Combined Declaration, Petition & Power of Attorney (4 pages)
- Application Data Sheet
- Notice of Priority
- Dep. Acct. Order Form
- Credit Card Payment Form for \$900.00
- Drawings (3 sheets)
- PCT Transmittal Letter
- PCT/IB/304
- International Preliminary Examination Report
- Information Disclosure Statement ■ PTO-1449
- International Search Report
- Declaration of Takeyoshi SUGAYA

SERIAL NO. 10/472483

DATE RECEIVED Rec'd PCT/PTO 29 SEP 2003

Rec'd PCT/PTO 29 SEP 2003

COPY

1

**KATHLEEN MORSBERGER
OBLON SPIVAK**

CORPORATE PURCHASING CARD BILLING STATEMENT CC-1583

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TRANSACTION DETAILS

STATEMENT DATE 10/08/03	TERMS: PAYABLE IN FULL WITHIN 14 DAYS AS PER YOUR CORPORATE CONTRACT	DUE DATE: 10/22/03
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ACCOUNT NUMBER ACCOUNT NAME	SPENDING LIMIT/TYPE	EMPLOYEE ID/COST CENTER UNIVERSAL #	SERVICE ESTABLISHMENT NAME/ADDRESS	PROCESSING DATE	CURRENT ACTIVITY
CONTINUED [REDACTED] RONIKKA K MARSHALL	\$10,000/TRN \$90,000/MTH		US PATENT TRADEMARK 703-305-4631 10472481 GOVERNMENT SERVICES SUPPLIER REF: 00010472481 VA 10/01/03	03/10/01	\$900.00
			US PATENT TRADEMARK 703-305-4631 10472482 GOVERNMENT SERVICES SUPPLIER REF: 00010472482 VA 10/01/03	03/10/01	\$900.00
			US PATENT TRADEMARK 703-305-4631 10472483 GOVERNMENT SERVICES SUPPLIER REF: 00010472483 VA 10/01/03	03/10/01	\$900.00
			US PATENT TRADEMARK 703-305-4631 10472491 GOVERNMENT SERVICES SUPPLIER REF: 00010472491 VA 10/01/03	03/10/01	\$1,030.00
			US PATENT TRADEMARK 703-305-4631 10472492 GOVERNMENT SERVICES SUPPLIER REF: 00010472492 VA 10/01/03	03/10/01	\$2,310.00

**AMERICAN
BUSINESS**

FOR ASSISTANCE CONTACT:

32

FREE FOLIO

CORPORATE
PURCHASING CARD
LIMIT

1-800-492-4979

1-823-492-1777

FOR REMITTANCE METHODS AND ADDRESSES,
PLEASE SEE LEGEND ON REVERSE SIDE OF THE
SUMMARY OF ACCOUNTS